

CLAIMS

1. A device for preparing and ejecting polymeric cement made from at least two pre-packaged components, said device comprising:

a tubular vessel including a first axial end wall having a closed outlet, and a second axial end wall having an aperture, wherein a first starting component of the polymeric cement is present inside said tubular vessel near the first axial end wall;

a shaft extending through said aperture of the second axial end wall, having a first section outside said vessel and a second section inside said vessel;

a piston element comprising a closed container filled with a second starting component of the polymeric cement, the container having a bore and being slidably engaged upon the second section of said shaft;

an agitator element mounted on the end of the second section of said shaft;

wherein said piston element is selectively lockable to said shaft; and

wherein opening means for providing an opening in said closed container are provided, which opening means are operable by said shaft.

2. A device according to claim 1, wherein said shaft is hollow, and is provided with a venting port.

3. A device according to claim 1 or claim 2, wherein the shaft is provided with a screw thread section near the agitator element, and the bore of the container is also provided partly with a co-operating screw thread section.

4. A device according to one of the preceding claims, wherein the tubular vessel has a non-circular cross-section.

5. A device according to claim 4, wherein the tubular vessel has an elliptical cross-section.

6. A device according to one of the preceding claims, wherein the opening means comprise at least one puncturing element for puncturing the wall of the container.
7. A device according to claim 6, wherein said puncturing element is a hollow needle.
8. A device according to one of the preceding claims, wherein said opening means are fixed to the agitator element.
9. A device according to one of the preceding claims, wherein the opening means are provided on a plate slidably engaged upon the second section of the shaft and arranged between the agitator element and the piston element.
10. A device according to one of the preceding claims, wherein the first component is solid particulate material, and the second component is liquid.